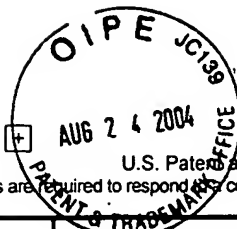


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PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number

10/615,516

Filing Date

July 8, 2003

First Named Inventor

LIGHTNER

Group Art Unit

3661

Examiner Name

M. Zanelli

Attorney Docket Number

0307091.0158

### ENCLOSURES (check all that apply)

☒ Fee Transmittal Form

☒ Fee Attached

☐ Amendment / Response

☐ After Final

☐ Affidavits/declaration(s)

☐ Combined Declaration and Power of Attorney

☐ Express Abandonment Request

☒ Information Disclosure Statement

☐ Certified Copy of Priority Document(s)

☐ Response to Missing Parts/Incomplete Application

☐ Response to Missing Parts under 37 CFR 1.52 or 1.53

☐ Assignment Papers  
(for an Application)

☐ Drawing(s)

☐ Declaration of Mailing by Express Mail

☐ Petition

☐ Petition to Convert to a Provisional Application

☐ Power of Attorney, Revocation Change of Correspondence Address

☐ Terminal Disclaimer

☐ Request for Refund

☐ CD, Number of CD(s) \_\_\_\_\_

☐ After Allowance Communication to Group

☐ Appeal Communication to Board of Appeals and Interferences

☐ Appeal Communication to Group  
(Appeal Notice, Brief, Reply Brief)

☐ Proprietary Information

☐ Status Letter

☒ Other Enclosure(s)  
(please identify below):

Return Receipt Postcard  
IDS References  
Form PTO/SB/08

Remarks

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm  
or  
Individual name

Sung T. Kim (Registration No. 45,398)  
Kirkpatrick & Lockhart LLP

Signature

Date

8/23/04

### CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date: \_\_\_\_\_

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# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 180

Complete If Known

Application Number 10/615,516

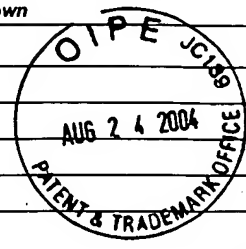
Filing Date July 8, 2003

First Named Inventor LIGHTNER

Examiner Name M. Zanelli

Art Unit 3661

Attorney Docket No. 0307091.0158



## METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money ☐ Other ☐ None  
Order

☒ Deposit Account:

Deposit  
Account  
Number 50-1721

Deposit  
Account  
Name Kirkpatrick & Lockhart LLP

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments  
☒ Charge any additional fee(s) during the pendency of this application  
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1)

(\$ 0

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

		Extra Claims	Fee from below	Fee Paid
Total Claims	-20 **	= 0	X 18	= 0
Independent Claims	-3 **	= 0	X 86	= 0
Multiple Dependent			X	= 0

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)

(\$ 0

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	180
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$ 180

## SUBMITTED BY

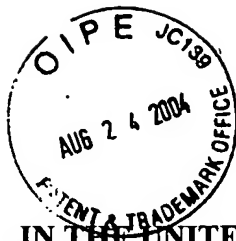
Complete (if applicable)

Name (Print/Type)	Sung T. Kim	Registration No. (Attorney/Agent)	45,398	Telephone	202 / 778-9419
Signature				Date	8/23/04

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: LIGHTNER et al.

Group Art Unit: 3661

Application No.: 10/615,516

Examiner: M. Zanelli

Filed: July 8, 2003

Atty. Dkt. No. 0307091.0158

Title: **INTERNET-BASED EMISSIONS TEST FOR VEHICLES**

\* \* \* \* \*

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313

Sir:

Attached is Form PTO/SB/08 listing the enclosed documents. Citation of a document does not necessarily constitute an admission that the document is prior art to the present application.

This Information Disclosure Statement is intended to be in full compliance with the rules, but should the Examiner find any part of its required content to have been omitted, prompt notice to that effect is earnestly solicited, along with additional time under Rule 97(f), to enable Applicant to comply fully.

A check in the amount of \$180.00 is enclosed for payment of the fee set forth in Rule 17(p). No other fees are believed due at this time, but please apply any additional charges due, or credits owed, to Deposit Account No. 50-1721 under the above Atty. Dkt. No

08/25/2004 SSESHE1 00000050 10615516

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180.00 0P

Consideration of the foregoing and the return of a copy of the enclosed Form PTO/SB/08 with the Examiner's initials in the left column per MPEP §609 are earnestly solicited.

Respectfully submitted,

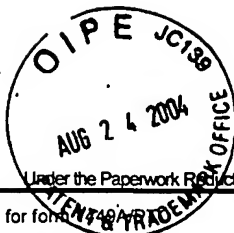


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Sung T. Kim  
Reg. No. 45,398  
(202) 778-9419

Date: 8/23/04

Kirkpatrick & Lockhart LLP  
1800 Massachusetts Ave., N.W.  
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Washington, DC 20036  
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PTO/SB/08A (10-01)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 4

**Complete if Known**

Application Number	10/615,516
Filing Date	July 8, 2003
First Named Inventor	Lightner
Group Art Unit	3661
Examiner Name	Zanelli, Michael J.
Attorney Docket Number	0307091.158

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US- 4,690,475	9/1987	McElroy	
		US- 4,694,408	9/1987	Zaleski	
		US- 5,026,293	6/1991	Wilson	
		US- 5,532,927	7/1996	Pink et al.	
		US- 5,798,647	8/1998	Martin et al.	
		US- 6,400,701	6/2002	Lin et al.	
		US- 6,408,232	6/2002	Cannon et al.	
		US- 6,442,460	8/2002	Larson et al.	
		US- 6,487,494	11/2002	Odinak et al.	
		US- 6,496,777	12/2002	Tennison et al.	
		US- 6,502,030	12/2002	Hilleary	
		US- 6,522,267	2/2003	Flick	
		US- 6,526,460	2/2003	Dauner et al.	
		US- 6,556,905	4/2003	Mittelsteadt et al.	
		US- 6,556,889	4/2003	Rudick et al.	
		US- 6,564,127	5/2003	Bauerle et al.	
		US- 6,580,916	6/2003	Weisshaar et al.	

**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>

Examiner  
SignatureDate  
Considered

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 2 of 4

**Complete if Known**

Application Number	10/615,516
Filing Date	July 8, 2003
First Named Inventor	Lightner
Group Art Unit	3661
Examiner Name	Zanelli, Michael J.
Attorney Docket Number	0307091.158

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US- 6,609,051	8/2003	Fiechter et al.	
		US- 6,611,686	8/2003	Smith et al.	
		US- 6,611,739	8/2003	Harvey et al.	
		US- 6,611,755	8/2003	Coffee et al.	
		US- 6,636,790	10/2003	Lightner et al.	
		US- 6,675,081	1/2004	Shuman et al.	
		US- 6,687,587	2/2004	Kacel	
		US- 6,718,425	4/2004	Pajakowski et al.	
		US- 6,732,031	5/2004	Lightner et al.	
		US- 6,732,032	5/2004	Banet et al.	
		2001/0016789	8/2001	Staiger	
		2001/0033225	10/2001	Razavi et. Al	
		2002/0008644	1/2002	Flick	
		2002/0008645	1/2002	Flick et al.	
		2002/0016655	2/2002	Joao	
		2002/0032505	3/2002	Good	
		2002/0029101	3/2002	Larson et al.	
		2002/0078458	6/2002	Furon et al.	
		2002/0133273	9/2002	Lowrey et al.	
		2002/0140545	10/2002	Nietupski et al.	

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SignatureDate  
Considered

+

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Application Number	10/615,516
Filing Date	July 8, 2003
First Named Inventor	Lightner
Group Art Unit	3661
Examiner Name	Zanelli, Michael J.
Attorney Docket Number	0307091.158

Sheet	3	of	4
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Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/615,516
				Filing Date	July 8, 2003
				First Named Inventor	Lightner
				Group Art Unit	3661
				Examiner Name	Zanelli, Michael J.
				Attorney Docket Number	0307091.158
Sheet	4	of	4		

[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				

Examiner Signature		Date Considered	
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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